NOTE XII.

BIRD-MARKING IN THE NETHERLANDS

BY

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Since May of this year the Museum of Natural History at Leyden is carrying into execution the inquiry into migration and other movements of birds in the Netherlands by means of aluminium rings. The results will be published in this periodical and at the same time in Dutch in the periodical of the „Nederlandsche Ornithologische Vereeniging". It is not necessary to give here particulars about our method of working or about the rings used, only I will remark that our rings are of ten sizes. The smaller rings are marked MUSEUM LEIDEN, the larger ones MUSEUM NAT. HIST. LEIDEN—HOLLAND, all of course also numbered. Since May more than 2500 rings have been sent to 40 persons, willing to co-operate at the scheme for marking birds in our country. As far as I can see from the received schedules, filled-in by the markers, 1165 of these rings have been used for the following 31 species:

Ciconia ciconia 3, *Phalacrocorax carbo* 6, *Anas boschas* 160, *Nettion crecca* 2, *Larus argentatus* 84, *Larus ridibundus* 381, *Sterna cantiaca* 138, *Sterna fluviatilis* 170, *Sterna minuta* 2, *Recurvirostra avosetta* 14, *Haematopus ostralegus* 17, *Vanellus vanellus* 23, *Totanus totanus* 8, *Pavoncella pugnax* 19, *Athene noctua* 1, *Alauda arvensis* 3, *Sturnus vulgaris* 26, *Turdus musicus* 17, *Phoenicurus titys* 9, *Aëdon luscinia* 3, *Accentor modularis* 3, *Muscicapa grisola* 1, *Phylloscopus collybita* 1, *Parus major* 10, *Parus coeruleus* 2, *Anorthura troglodytes* 4, *Hirundo rustica* 20, *Delichon urbica* 2, *Fringilla coelebs* 9, *Chloris chloris* 6, *Passer montana* 1, *Passer domestica* 18 and *Emberiza citrinella* 2.

Of these 1165 ringed birds, up to the beginning of November, 22 have been recovered, viz.:

Anas boschas, all marked at Ellemeet, on Schouwen, province Zeeland, by Mr. A. Man in 't Veld.

Ring 341, marked 28 July 1911, shot in the last week of September on the Hollandsch diep, prov. Zuid-Holland. Reporter Mr. A. L. H. H. Waterbeek.

Ring 371, marked 28 July 1911, shot in the second half of September 1911 at Duivendijke on Schouwen, prov. Zeeland. Reporter Mr. F. van der Bout.

Ring 381, marked 28 July 1911, shot 9 October 1911 between Bergues and Dunkerque, Northern France. Reporter Mr. P. Navez-Carpentier.

Ring 386, marked 28 July 1911, shot in the second half of September 1911 at Duivendijke on Schouwen, prov. Zeeland. Reporter Mr. F. van der Bout.

Ring 387, marked 28 July 1911, caught 23 October 1911 in a duck-decoy at Willemsdorp, prov. Zuid-Holland. Reporter Mr. C. J. Schram.

Ring 418, marked 13 August 1911, shot 4 September 1911 in the polder Oud Noord-Beveland, prov. Zeeland. Reporter Mr. C. van Oeveren.

Moreover in September and October some mallards have been caught and released in the same duck-decoy at Ellemeet on Schouwen, where they were marked in July and August. These records prove that a good deal of the ducks of a decoy remains on the decoy or in its neighbourhood; a single specimen seems to migrate early in the autumn, as is proved by the bird shot 9 October 1911 in Northern France.

Larus argentatus, marked at Callantsoog, prov. Noord-Holland by Dr. J. J. Blanksma.

Ring 465, marked 2 July 1911, shot 31 October 1911 at Margate, S. E. England. Reporter Mr. L. Johnson.

Ring 499, marked 9 July 1911, found dead 25 October 1911 at Hoek van Holland, prov. Zuid-Holland. Reporter Mr. G. J. van Oordt at Rotterdam.

The herring-gulls bred in the Netherlands seem to visit the coast of S. E. England.

Larus ridibundus, marked at Ellemeet on Schouwen, prov. Zeeland, by Mr. A. Man in 't Veld.

Ring 666, marked 18 June 1911, found dead 29 October 1911 along the Nieuwe Merwede, province Zuid-Holland. Reporter Mr. W. Boot, Dordrecht.

Ring 720, marked 25 June 1911, shot 9 August 1911 at Palavas-les-Flots, dep. Hérault, Southern France. Reporter Mr. M. Granier.

Ring 754, marked 25 June 1911, shot 14 September 1911 at Saint Brévin-l'Océan, dep. Loire inf., Northwestern France. Reporter Mr. Paul Vial.

Ring 792, marked 25 June 1911, shot 7 August 1911 in the Baie de la Seine, Northwestern France. Reporter Dr. A. Loir, Havre.

Ring 796, marked 25 June 1911, found dead 29 October 1911 at Campozancos, on the river Minho, prov. Pontevedra, Northwestern Spain. Reporter Mr. Luis. A. Mestre, Vigo.

Ring 2248, marked 2 July 1911, found dead 25 August 1911 at Brussels. Reporter Mr. A. Ramaeckers.

Ring 2630, marked 2 July 1911, shot 5 November 1911 in the Baie de la Somme. Reporter Mr. L. Malijieue, Le Crotoy.

Very interesting is the case of ring n°. 720. This black-headed gull was marked, as young bird, at 25 June 1911 in Holland and already at 9 August 1911 it was shot at Palavas-les-Flots in the south of France at the Mediterranean. Some of these gulls seem to migrate already soon after maturity far southward. They seem to follow not only the sea-coast, but also the great rivers, as is proved by the results, achieved by the Bird Observatory at Rossitten in Germany.

Sterna cantiaca, marked at Kerkwerve on Schouwen, prov. Zeeland, by Mr. A. Man in 't Veld.

Ring 984, marked 18 June 1911, shot 24 August 1911 on the Chausey Islands near Granville, Northwestern France. Reporter Mr. A. Lemaréchal, Paris.

Ring 1531, marked 18 June 1911, shot 14 September 1911 at Coutainville, dep. de la Manche, Northwestern France. Reporter Mr. Piquot-Letenneur, Coutances.

Ring 1571, marked 25 June 1911, shot 27 September 1911 at the mouth of the Vilaine, dep. Morbihan, Northwestern France. Reporter Mr. Stéphan Tara, Paris.

Sterna fluviatilis, marked at Ellemeet and Kerkwerve on Schouwen, prov. Zeeland, by Mr. A. Man in 't Veld.

Ring 1876, marked 2 July 1911 at Kerkwerve, shot 1 August 1911 at Philippine, prov. Zeeland. Reporter Mr. W. den Brok.

Ring 1894, marked 2 July 1911 at Ellemeet, shot in October 1911 at Malo-les-Bains near Dunkerque, Northwestern France. Reporter Mr. A. Hugot, Lille.

Pavoncella pugnax, marked by Dr. J. J. Blanksma.

Ring 1545, marked 6 July 1911 near Bunschoten, prov. Utrecht, caught alive some days later near Amersfoort, prov. Utrecht. Reporter Dr. C. Kerbert, Amsterdam.

Turdus musicus, marked by Messrs. C. J. van der Klaauw and J. C. Wäkerlin.

Ring 1807, marked 4 June 1911 at Oegstgeest, prov. Zuid-Holland, found dead at the same place 15 July 1911. Reporters the markers.

The number of the ringed birds is still small and therefore the number of the records is also very small; the records are too few to make conclusions from them. I hope that my »Report on the bird-marking in 1911", to be published next year, will contain a larger number of marked birds and also much more recoveries. Every one who finds a bird marked with one of our rings, is requested to inform us the date and locality of the capture, and to return to us the ring, preferably with the foot or the whole bird.

Leyden Museum, November 1911.